INTERNATIONAL SEARCH REPORT

Form PCT/ISA/210 (second sheet) (January 2004)

International application No.

PCT/JP2005/000162 A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ B29C45/74, B29C45/53, B29C47/80, B29B7/82 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl⁷ B29C45/00-45/84 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1926-1996 1994-2005 Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho Kokai Jitsuyo Shinan Koho 1971-2005 1996-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X JP 36-1272 B1 (Shoichi TERAOKA), ٦ 11 March, 1961 (11.03.61), Y 2-7 Full text; particularly, page 1, left column; Figs. 1, 2, 4 to 6 (Family: none) JP 32-7087 Bl (Mario, Matsuka, Ferii), Х Y 03 September, 1957 (03.09.57), 2-7 Page 4, right column to page 5, left column; page 10, left column to right column; page 11, right column; Figs. 1 to 3 (Family: none) Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand document defining the general state of the art which is not considered to be of particular relevance the principle or theory underlying the invention earlier application or patent but published on or after the international document of particular relevance; the claimed invention cannot be filing date considered novel or cannot be considered to involve an inventive document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other step when the document is taken alone document of particular relevance; the claimed invention cannot be special reason (as specified) considered to involve an inventive step when the document is combined with one or more other such documents, such combination document referring to an oral disclosure, use, exhibition or other means being obvious to a person skilled in the art document published prior to the international filing date but later than the document member of the same patent family priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 04 April, 2005 (04.04.05) 26 April, 2005 (26.04.05) Name and mailing address of the ISA/ Authorized officer Japanese Patent Office Telephone No. Facsimile No.

INTERNATIONAL SEARCH REPORT

International application No.

	PCT		/JP2005/000162	
C (Continuation)). DOCUMENTS CONSIDERED TO BE RELEVANT	·		
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No.	
Y	JP 7-314530 A (Kabushiki Kaisha Aipekku) 05 December, 1995 (05.12.95), Claims 1 to 2; Par. Nos. [0007] to [0009] [0020], [0026]; Figs. 1, 2, 4 (Family: none)		2	
Y	Microfilm of the specification and drawing annexed to the request of Japanese Utility Model Application No. 18104/1990 (Laid-ope No. 111446/1991) (Hitachi Metals, Ltd.), 14 November, 1991 (14.11.91), Claim 1; examples; Fig. 1 (Family: none)	-y	3-5	
Y	Microfilm of the specification and drawing annexed to the request of Japanese Utility Model Application No. 37637/1986 (Laid-ope No. 150125/1987) (The Japan Steel Works, Ltd.), 22 September, 1987 (22.09.87), Claim 1; page 3, (Problems that the Devicto solve); Fig. 1 (Family: none)	ey en	6	
Х	JP 8-156062 A (Fanuc Ltd.), 18 June, 1996 (18.06.96), Claim 1; Par. Nos. [0002], [0010] to [001 [0016], [0018] to [0019], [0025]; Fig. 1 (Family: none)	11],	8 7	
X Y	JP 2001-341178 A (Seiko Epson Corp.), 11 December, 2001 (11.12.01), Claim 8; Par. Nos. [0037], [0041]; Fig. 4 (Family: none)	1	8 7	
·				
_				